Docket No.: 42P17257

TE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

SREENIVAS SUBRAMONEY, ET AL.

Application No.: 10/719,433

Filed: November 21, 2003

For: **BIT VECTOR TOGGLING FOR**

CONCURRENT MARK-SWEEP

GARBAGE COLLECTION

Art Group: Not Assigned

Examiner: Not Assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted within three (3) months of filing of the application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Copies of the references cited on PTO/SB/08 are enclosed herewith.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOL FOR WLOR & ZAFMAN LLP

Date: February 23, 2004

Gregory D. Cardwell, Reg. No. 39,926

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (503) 684-6200

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Deborah L. Higham

02-23-04

Date

FEB 2 6 2004							
TRANSMITTAL F	0014	Application No.	10/719,433				
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Filing Date	November 21, 2003				
		First Named Inventor	Sreenivas Subramoney				
		Art Unit	Not Assigned				
		Examiner Name	Not Assigned				
Total Number of Pages in This Submiss	ion	Attorney Docket Number	42P17257				
ENCLO	SURES (chec	k all that apply)					
Fee Transmittal Form	Drawing(s)		After Allowance Communication to Group				
Fee Attached	Licensing-r	elated Papers	Appeal Communication to Board of Appeals and Interferences				
Amendment / Response	Petition		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)				
After Final Affidavits/declaration(s)	Petition to 0 Provisional	Convert a Application	Proprietary Information				
Extension of Time Request	Power of A Change of	ttorney, Revocation Correspondence Address	Status Letter				
Express Abandonment Request	Terminal D	isclaimer	Other Enclosure(s) (please identify below):				
Information Disclosure Statement	Request for	r Refund	- 3 Cited References - Return Receipt Postcard				
PTO/SB/08	CD, Numbe	er of CD(s)					
Certified Copy of Priority Document(s)							
Response to Missing Parts/ Incomplete Application	Remarks						
Basic Filing Fee			,				
Declaration/POA							
Response to Missing Parts under 37 CFR 1.52 or 1.53							
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT							
Firm Gregory D. Caldwell, Reg. No. 39,926							
Individual name BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP							
Signature							
Date February 23, 2004							
CERTIFICATE OF MAILING/TRANSMISSION							
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Typed or printed name Deborah L. Higham							

Based on PTO/SB/21 (02-04) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 02/10/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature

Date

February 23, 2004



FEE TRANSMIPTAL for FY 2004

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT

(\$) 0.00

	Complete if Known
Application Number	10/719,433
Filing Date	November 21, 2003
First Named Inventor	Sreenivas Subramoney
Examiner Name	Not Assigned
Art Unit	Not Assigned
Attorney Docket No.	42P17257

02/23/04

Date

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)						<u>-</u>	
☐ Check ☐ Credit card ☐ Money ☐ Other ☒ None	3. ADDITIONAL FEES							
☐ Check ☐ Credit card ☐ Money ☐ Other ☑ None ☐ Deposit Account		ge Entity	Smal	l Entity	,			
	Fee		Fee	Fee	_			
Deposit Account 02-2666	Cod	e (\$)	Code	(\$)	Fee	e Description)	Fee Paid
Number Deposit	1051 1052		2051 2052	65 25	Surcharge - late filing Surcharge - late prov cover sheet.			
Account Name Blakely, Sokoloff, Taylor & Zafman LLP	2053	3 130	2053	130	Non-English specifica	ition		
The Commissioner is authorized to (check all that apply)	1812		1812	2,520	For filing a request for		nation	
Charge fee(s) indicated below Credit any overpayments	1804	920	1804	920 '	 Requesting publication 	n of SIR prior to		
Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. Charge fee(s) indicated below, except for the filling fee	1805	5 1,840*	1805	1,840 '	Requesting publication	on of SIR after		
to the above-identified deposit account	1251	110	2251	55	Extension for reply wi	thin first month		
FEE CALCULATION	1252	2 420	2252	210	Extension for reply wi	thin second month	•	
1. BASIC FILING FEE	1253	950	2253	475	Extension for reply wi	thin third month		
Large Entity Small Entity	1254	1,480	2254	740	Extension for reply wi	thin fourth month		
Fee Fee Fee Fee <u>Fee Description</u> Fee Paid Code (\$) Code (\$)	1255	5 1,210	2255	605	Extension for reply wi	thin fifth month		
1001 770 2001 385 Utility filing fee	1404	330	2401	165	Notice of Appeal			
1002 340 2002 170 Design filing fee	1402	2 330	2402	165	Filing a brief in suppo	rt of an appeal		
1003 530 2003 265 Plant filing fee	1403	3 290	2403	145	Request for oral hear	ing		
1004 770 2004 385 Reissue filing fee	1451	1,510	2451	1,510	Petition to institute a	public use proceed	ding	
1005 160 2005 80 Provisional filing fee	1452	110	2452	55	Petition to revive - un	avoidable		
SUBTOTAL (1) (\$)	1450	3 1,330	2453	665	Petition to revive - un	intentional		
	150		2501	665	Utility issue fee (or re	issue)		
2. EXTRA CLAIM FEES _{Extra} Fee from	1502		2502	240	Design issue fee			
Claims below Fee Paid	1500		2503	320	Plant issue fee			
Independent 39 - 39 = 0 X 18.00 50.00	1460		2460	130	Petitions to the Comm			
Claims 7 7 5 0 X 86.00 = \$0.00	1807		1807	50	Prosessing fee under		·lant	
	1806		1806	180	Submission of Inform		ouru	
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	802		8021	40	Recording each pater property (times numb	er of properties)		
	1809	770	1809	385	Filing a submission at (37 CFR § 1.129(a))	ter man rejection		
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For each additional in examined (37 CFR §			
1203 290 2203 145 Multiple Dependent claim, if not paid	180	1 770	2801	385	Request for Continue	d Examination (RC	CE)	<u> </u>
1204 86 2204 43 **Reissue independent daims over original patent	1802	2 900	1802	900	Request for expedited			
1205 18 2205 9 **Reissue daims in excess of 20 and over original patent	Other	fee (specify)			of a design application	n 		0.00
SUBTOTAL (2) (\$) 0.00	l							
or number previously paid, if greater, For Reissues, see below	* Redu	ced by Basic	Filing Fe	ee Paid		SUBTOTAL (3)	(\$)	0.00
SUBMITTED BY						Comp	lete (if applic	able)
Name (Print/Type) Gregory D. Caldwell		Registration		T 3	39,926	Telephone	(503) 68	

Based on PTO/SB/17 (10-03) as modified by Blakely, Solokoff, Agylor & Zafman (wlr) 02/10/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature

O 1 P & 50188 301

FEE TRANSMET AL for FY 2004

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

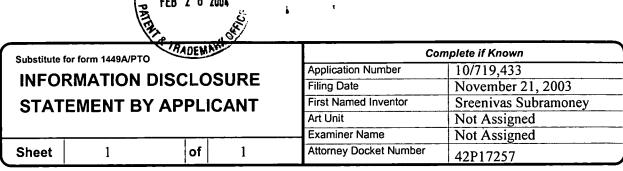
	Complete if Known					
	Application Number	10/719,433				
	Filing Date	November 21, 2003				
	First Named Inventor	Sreenivas Subramoney				
	Examiner Name	Not Assigned				
-	Art Unit	Not Assigned				
	Attorney Docket No.	42P17257				

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
☐ Check ☐ Credit card ☐ Money ☐ Other ☑ None ☐ Deposit Account		3. ADDITIONAL FEES				
		Entity	j Sma	If Entity	у	
Li peposit Account	Fee	Fee	Fee	Fee	_	
Deposit Account 02-2666	Code	(\$)	Code	(\$)	Fee Description	Fee Paid
Number U2-2000	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account Rickely Scholoff Taylor & Zafman LLD	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Account Name Blakely, Sokoloff, Taylor & Zafman LLP	2053	130	2053	130	Non-English specification	
The Commissioner is authorized to (check all that apply)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge fee(s) indicated below Credit any overpayments	1804	920 *	1804	920	* Requesting publication of SIR prior to Examiner action	
Charge any additional fee(s) or underpayment of fees as required under 37	1905	1,840*	1005	1,840		
CFR §§ 1.16, 1.17, 1.18 and 1.20. Charge fee(s) indicated below, except for the filing fee	1805	1,040	1805	1,040	Examiner action	
to the above-identified deposit account	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month	
BASIC FILING FEE	1253	950	2253	475	Extension for reply within third month	
Large Entity Small Entity	1254	1,480	2254	740	Extension for reply within fourth month	
Fee Fee Fee Fee Description Fee Paid	•	1,210	2255	605	Extension for reply within fifth month	
Code (\$) Code (\$)	1404	330	2401	165	Notice of Appeal	
1001 770 2001 385 Utility filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
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1003 530 2003 265 Plant filing fee	1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1004 770 2004 385 Reissue filing fee 1005 160 2005 80 Provisional filing fee	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,330	2453	665	Petition to revive - unintentional	
SUBTOTAL (1) (\$)	1501	1,330	2501	665	Utility issue fee (or reissue)	
2. EXTRA CLAIM FEES _{Extra} Fee from	1502	480	2502	240	Design issue fee	
2. EXTRA CLAIM FEESExtra Fee from Claims below Fee Paid	1503	640	2503	320	Plant issue fee	
Total Claims 39 39 0 x 18.00 = \$0.00	1460	130	2460	130	Petitions to the Commissioner	
Independent 7 7 = 0 x 86.00 = \$0.00	1807	50	1807	50	Prosessing fee under 37 CFR 1.17(q)	
Multiple Dependent =	1806	180	1806	180	Submission of Information Disclosure Stmt	l
Large Entity Small Entity	8021	40	8021	40	Recording each patent assignment per	<u> </u>
Fee Fee Fee Fee Description					property (times number of properties)	[
Code (\$) Code (\$)	1809	770	1809	385	Filing a submission after final rejection	
1202 18 2202 9 Claims in excess of 20	1010		2040		(37 CFR § 1.129(a))	I
1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1203 290 2203 145 Multiple Dependent claim, if not paid	1801	770	2801	385	Request for Continued Examination (RCE)	
1204 86 2204 43 **Reissue independent claims over original patent	1802	900	1802	900	Request for expedited examination	
1205 18 2205 9 **Reissue daims in excess of 20 and over					of a design application	
original patent	Other fee	e (specify)				0.00
SUBTOTAL (2) (\$) 0.00						
**or number previously paid, if greater, For Reissues, see below	* Reduce	d by Basic	Filing F	ee Paid	SUBTOTAL (3) (\$)	0.00
SUBMITTED BY					Complete (if applica	ble)
			-			

Name (Print/Type) Gregory D. Caldwell Registration No. (Attorney/Agent) 39,926 Telephone (503) 684-6200

Signature Date 02/23/04

Based on PTO/SB/17 (10-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 02/10/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



-	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
	1	E. DIJKSTRA ET AL., "On-the-Fly Garbage Collection: An Exercise in Cooperation," Communications of the ACM, Vol. 21, No. 11, November 1978, pp. 966-975, ACM Press, New York, NY, USA.					
	2	JOHN HUGHES, "A Distributing Garbage Collection Algorithm," Lecture Notes in Computer Science 201, Springer Verlag, September 1985, pp. 256-272.	,				
	3	BENJAMIN ZORN, "Comparing Mark-and-sweep and Stop-and-copy Garbage Collection," Proceedings of the 1990 ACM Conference on LISP and Functional Programming, Nice, France,					
		1990, pp. 87-98, ISBN: 0-89791-368-X, ACM Press, New York, NY, USA.					
			,				

Examiner	Date	
Signature	Considered	

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003. Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

^{&#}x27;Applicant's unique citation designation number. 'Applicant is to place a check mark here if English language Translation is attached.